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JUN 28 2004

Technology Center 2100

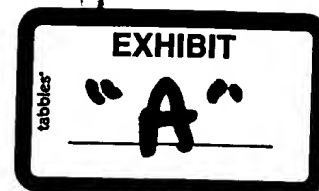
Mail Stop Assignment Recordation Services  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Inventor(s): Manuel J. Alvarez II; Peter D. Geiger; Thomas A. Dye  
Assignee: Quickshift, Inc. (f/k/a Interactive Silicon, Inc.)  
Title: "System And Method For Performing Scalable Embedded Parallel Data Compression"  
Serial No.: 09/818,283  
Docket No.: 40532-P001M7P2 (f/k/a 5143-01704)

ENCLOSED:

- X This return receipt postcard
- 2 pages - Transmittal letter (in duplicate)
- 9 pages - PTO Form 1595 - Recordation Cover Sheet (along with copy of Assignment)
- 3 pages - PTO Form 1595 - Recordation Cover Sheet (along with copy of Name Change)
- X Firm check in the amount of \$80.00

MPA/wk  
June 18, 2004





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WINSTEAD SECHREST & MINICK P.C. CLIENT ADVANCE ACCOUNT (512) 474-4330 AUSTIN, TEXAS

Director of the United States Patent

004999

DATE	INVOICE NUMBER	MEMO	BALANCE
06/18/2004	06182004	ADAMS 40532-P001M7P2 Advance for Filing Fees for 2 Recordations Client: Quickshift	80.00
CLIENT UNBILLED COSTS ADVANCED			

ORIGINAL CHECK HAS A COLORED BACKGROUND PRINTED ON CHEMICAL REACTIVE PAPER

**WINSTEAD™**  
WINSTEAD SECHREST & MINICK  
Attorneys and Counselors

SUITE 800  
100 CONGRESS AVENUE  
AUSTIN, TEXAS 78701  
PH 512.474.4330

A Professional Corporation Client Advance Account



COMERICA BANK & TRUST, N.A.  
8850 BOEDEKER STREET  
DALLAS, TEXAS 75225

004999

PAY: Eighty and 00/100 Dollars

NUMBER

DATE

AMOUNT

000004999

06/18/2004

\*\*\*\*\*80.00

TO THE  
ORDER  
OF

Director of the United States Patent  
and Trademark Office

WINSTEAD SECHREST & MINICK P.C.  
CLIENT ADVANCE ACCOUNT

*[Signature]*

AUTHORIZED SIGNATURE

ORIGINAL CHECK HAS AN ARTIFICIAL WATERMARK ON REVERSE SIDE-HOLD AT AN ANGLE TO VIEW

⑈004999⑈ ⑆111000753⑆ 1880780356⑈

# WINSTEAD



June 18, 2004

direct dial: 512.370.2858  
madams@winstead.com

Mail Stop Assignment Recordation Services  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Inventor(s): Manuel J. Alvarez II; Peter D. Geiger; Thomas A. Dye  
Title: System And Method For Performing Scalable Embedded Parallel Data Compression  
Serial No.: 09/818,283 Filing Date: 3/27/01  
Examiner: Abdelmoniem I. Elamin Group Art Unit: 2182  
Winstead Docket No.: 40532-P001M7P2 (f/k/a 5143-01704)

Dear Sir or Madam:

Transmitted herewith are the following:

1. Return Receipt Postcard;
2. This Transmittal Letter (in duplicate);
3. Recordation Form Cover Sheet;
4. Assignment (Austin IP Acquisition Corporation – 9/16/03);
5. Recordation Form Cover Sheet;
6. Change of Name (Quickshift, Inc. – 10/24/03); and
7. Firm check in the amount of \$80.00.

I enclose herewith a firm check in the amount of \$80.00, which represents payment for the above-referenced Assignment and Change of Name being filed.

SUITE 800  
100 CONGRESS AVENUE  
AUSTIN, TEXAS 78701

PH 512.474.4330  
FAX 512.370.2850  
WINSTEAD.COM

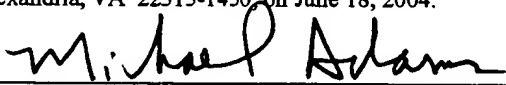
WINSTEAD SECHREST & MINICK  
Attorneys and Counselors  
A Professional Corporation

Austin, Dallas, Fort Worth,  
Houston, Mexico City,  
The Woodlands, Washington, DC

June 18, 2004

Page 2

If the fee has been calculated incorrectly, the Commissioner is hereby authorized to charge any insufficiency of payment of the following fees associated with this communication, or credit any overpayment, to Deposit Account No. 23-2426 (40532-P001M7P2) in the name of Winstead Sechrest & Minick P.C. **A duplicate copy of this transmittal letter is enclosed.**

<p>CERTIFICATION UNDER 37 C.F.R. § 1.8</p> <p>I hereby certify that this correspondence (along with any item referred to as being enclosed herewith) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Assignment Recordation Services, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on June 18, 2004.</p> <p></p> <p>Signature</p>
---

Respectfully submitted,



Michael P. Adams  
Attorney for Applicant(s)  
Reg. No. 34,763

MPA:wk  
Enclosures

AUSTIN\_1\252915\1  
40532-P001M7P2 06/18/2004



COPY

Form PT 1595  
(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼

# RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Interactive Silicon, Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

9/16/03

Execution Date: \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: Austin IP Acquisition Corporation

Internal Address: RECEIVED

JUN 28 2004

Technology Center 2100

Street Address: 7719 Woodhollow Drive

Suite 100

City: Austin State: TX Zip: 78731

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/818,283

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael P. Adams

Internal Address: Winstead Sechrest & Minick PC

Street Address: P.O. Box 50784

City: Dallas State: TX Zip: 75201

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

23-2426 (40532-P001M7P2)

DO NOT USE THIS SPACE

9. Signature.

Michael P. Adams

Name of Person Signing

Michael Adams  
Signature

June 18, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 9

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

CLIENT/MATTER NO: 40532-P001M7P2

DOCUMENT NO.: Austin 252906

## PATENTS AND PATENT APPLICATIONS ASSIGNMENT

THIS ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS is made as of September 16, 2003, by and between Austin IP Acquisition Corporation, a Delaware corporation ("**Buyer**"), and Interactive Silicon, Inc., a Delaware corporation ("**Seller**," collectively with Buyer, the "**Parties**").

### R E C I T A L S:

WHEREAS, Buyer and Seller are parties to that certain Asset Purchase Agreement dated as of September 16, 2003 (the "**Purchase Agreement**"), under the terms of which Seller agrees to transfer, and Buyer agrees to acquire, the Purchased Assets (as such term is defined in the Purchase Agreement); and

WHEREAS, Seller is the owner of certain patents and/or applications protected under U.S. and foreign law, common law, and/or international treaties, where possible, and such patents and/or applications have been listed on Schedule I hereto (the "**Patents**"), which constitute part of the Purchased Assets; and

WHEREAS, pursuant to the Purchase Agreement, Buyer desires to obtain and Seller desires to assign all of Seller's right, title and interest in, to and under said Patents including, but not limited to, the right to recover for past infringement throughout the world;

NOW, THEREFORE, for \$500.00, the receipt and sufficiency of which is hereby acknowledged by Seller pursuant to the Purchase Agreement and other good and valuable consideration, Seller makes the following assignment and agrees as follows:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Seller, Seller hereby sells, conveys, assigns, transfers and delivers to Buyer, its successors and assigns, all of its right, title and interest throughout the world in, to and under the Patents, all common law rights thereto, together with the right to sue and recover damages for future or past infringements thereof and to fully and entirely stand in the place of Seller in all matters related thereto, all subject to the terms and conditions of the Purchase Agreement. Seller agrees to take such further action, at Buyer's expense, and to execute such additional documents as may be necessary to perfect Buyer's title in and to the Patents and all foreign counterparts thereof.

Seller hereby requests the Commissioner of Patents and Trademarks (the "**Commissioner**") to record this Assignment of Patents and Patent Applications to Buyer. Seller hereby further requests the Commissioner to issue any and all rights resulting from applications among the Patents or derived therefrom to Buyer as assignee of the entire interest. Seller hereby covenants that it has

full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

*[Remainder of page intentionally left blank.]*

IN WITNESS WHEREOF, the parties hereto have caused this Assignment of Patents and Patent Applications to be executed as of the day and year first written above.

INTERACTIVE SILICON, INC.

By: Mary Birnesser

Name: Mary Birnesser

Title: Acting President

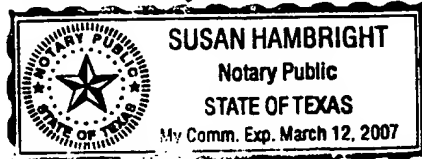
STATE OF TEXAS )

) SS.

COUNTY OF TARRANT

On September 17, 2003, before me, the undersigned, a Notary Public in and for said State, personally appeared Mary Birnesser, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as the President of Interactive Silicon, Inc. and acknowledged to me that such corporation executed the within instrument pursuant to its bylaws or a resolution of its Board of Directors.

WITNESS my hand and official seal.



A handwritten signature of the Notary Public, Susan Hambright, written in dark ink.

[SEAL] Notary Public

My Commission expires on: 3/12/2007

Acknowledged and accepted:

AUSTIN IP ACQUISITION CORPORATION

Name: Kenneth H. Eif

Title: President & CEO



SCHEDULE 1  
TO  
ASSIGNMENTS OF PATENTS  
AND PATENT APPLICATIONS  
BY  
INTERACTIVE SILICON, INC.  
TO  
AUSTIN IP ACQUISITION CORPORATION

Patents

<u>Title</u>	<u>U.S. Patent No.</u>	<u>Date</u>
MEMORY AND GRAPHICS CONTROLLER WHICH PERFORMS POINTER-BASED DISPLAY LIST VIDEO REFRESH OPERATIONS	5,838,334	November 17, 1998
GRAPHICS SYSTEM INCLUDING A VIRTUAL FRAME BUFFER WHICH STORES VIDEO/PIXEL DATA IN A PLURALITY OF MEMORY AREAS	5,995,120	November 30, 1999
INTEGRATED VIDEO AND MEMORY CONTROLLER WITH DATA PROCESSING AND GRAPHICAL PROCESSING CAPABILITIES	6,002,411	December 14, 1999
VIDEO/GRAPHICS CONTROLLER WHICH PERFORMS POINTER- BASED DISPLAY LIST VIDEO REFRESH OPERATIONS	6,067,098	May 23, 2000
SYSTEM AND METHOD FOR SIMULTANEOUSLY DISPLAYING A PLURALITY OF VIDEO DATA OBJECTS HAVING DIFFERENT BIT PER PIXEL FORMATS	6,108,014	August 22, 2000
PARALLEL DECOMPRESSION AND COMPRESSION SYSTEM AND METHOD FOR IMPROVING STORAGE DENSITY AND ACCESS SPEED FOR NON-VOLATILE MEMORY AND EMBEDDED MEMORY DEVICES	6,145,069	November 7, 2000

SYSTEM AND METHOD FOR  
MANAGING SYSTEM MEMORY  
AND/OR NON-VOLATILE MEMORY  
USING A MEMORY CONTROLLER  
WITH INTEGRATED  
COMPRESSION AND  
DECOMPRESSION CAPABILITIES

6,170,047 B1

January 2, 2001

MEMORY CONTROLLER  
INCLUDING EMBEDDED DATA  
COMPRESSION AND  
DECOMPRESSION ENGINES

6,173,381 B1

January 9, 2001

SYSTEM AND METHOD FOR  
PERFORMING SCALABLE  
EMBEDDED PARALLEL DATA  
COMPRESSION

6,208,273 B1

March 27, 2001

MEMORY CONTROLLER  
INCLUDING EMBEDDED  
COMPRESSION / DECOMPRESSION  
CAPABILITIES FOR IMPROVED  
DATA ACCESS BETWEEN NON-  
VOLATILE AND SYSTEM MEMORY

6,370,631 B1

April 9, 2002

GRAPHICS SYSTEM AND METHOD  
FOR RENDERING INDEPENDENT  
2D AND 3D OBJECTS USING  
POINTER BASED DISPLAY LIST  
VIDEO REFRESH OPERATIONS

6,518,965 B2

February 11, 2003

PARALLEL COMPRESSION /  
DECOMPRESSION SYSTEM AND  
METHOD FOR IMPLEMENTATION  
OF IN-MEMORY COMPRESSED  
CACHE IMPROVING STORAGE  
DENSITY AND ACCESS SPEED FOR  
INDUSTRY STANDARD MEMORY  
SUBSYSTEMS AND IN-LINE  
MEMORY MODULES

6,523,102 B1

February 18, 2003

IMPROVED VIDEO CONTROLLER  
SYSTEM WITH OBJECT DISPLAY  
LISTS

6,567,091 B2

May 20, 2003

# U.S. Patent Applications

Title	Serial No.	Date
BANDWIDTH REDUCING MEMORY CONTROLLER INCLUDING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION AND DECOMPRESSION ENGINES	09/239,659	01/29/99
SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA DECOMPRESSION	09/491,343	01/26/00
MEMORY MODULE INCLUDING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION AND DECOMPRESSION ENGINES	09/616,480	07/14/00
SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA COMPRESSION	09/818,283	03/27/01
SYSTEM AND METHOD FOR PERFORMING SCALABLE EMBEDDED PARALLEL DATA DECOMPRESSION	09/821,785	03/28/01
SYSTEM AND METHOD FOR RECOGNIZING AND CONFIGURING DEVICES EMBEDDED ON MEMORY MODULES	09/840,724	04/23/01
SYSTEM AND METHOD FOR MANAGING COMPRESSION AND DECOMPRESSION OF SYSTEM MEMORY IN A COMPUTER SYSTEM	09/915,751	07/26/01
MEMORY CONTROLLER INCLUDING A HARDWARE COMPRESSION AND DECOMPRESSION ENGINE FOR MANAGING SYSTEM MEMORY	09/963,090	09/25/01

SYSTEM AND METHOD FOR  
GENERATING OPTIMALLY  
COMPRESSED DATA FROM A  
PLURALITY OF DATA  
COMPRESSION/DECOMPRESSION  
ENGINES IMPLEMENTING  
DIFFERENT DATA COMPRESSION  
ALGORITHMS

10/044,785

01/11/02

PARALLEL COMPRESSION AND  
DECOMPRESSION SYSTEM AND  
METHOD HAVING MULTIPLE  
PARALLEL COMPRESSION AND  
DECOMPRESSION ENGINES

10/044,786

01/11/02

PARALLEL COMPRESSION  
METHOD FOR IMPROVING  
NETWORK PROCESSING BY  
IMPROVING STORAGE DENSITY  
AND ACCESS SPEED WITHIN  
NETWORK DATA PROCESSING  
SWITCHES

10/205,590

07/25/02

MANAGING A CODEC ENGINE FOR  
MEMORY COMPRESSION /  
DECOMPRESSION OPERATIONS  
USING A DATA MOVEMENT  
ENGINE

10/227,607

08/23/02

#### International Patent Applications

Title  
SYSTEM AND METHOD FOR  
PERFORMING SCALABLE  
EMBEDDED PARALLEL DATA  
COMPRESSION AND  
DECOMPRESSION  
SYSTEM AND METHOD FOR  
PERFORMING SCALABLE  
EMBEDDED PARALLEL DATA  
COMPRESSION

Serial No.

Date

PCT/US00/02355

1/27/00

00905859.5

8/28/01

SYSTEM AND METHOD FOR  
PERFORMING SCALABLE  
EMBEDDED PARALLEL DATA  
DECOMPRESSION

01119753.0

8/28/01



Form PTO-1592  
(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Austin IP Acquisition Corporation

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☒ Change of Name  
☐ Other \_\_\_\_\_

10/24/03

Execution Date: \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: Quickshift, Inc.

Internal Address: \_\_\_\_\_

Street Address: 7719 Woodhollow Drive

Suite 100

City: Austin State: TX Zip: 78731

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/818,283

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael P. Adams

Internal Address: Winstead Sechrest & Minick PC

Street Address: P.O. Box 50784

City: Dallas State: TX Zip: 75201

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

23-2426 (40532-P001M7P2)

DO NOT USE THIS SPACE

9. Signature.

Michael P. Adams

Name of Person Signing

Michael P. Adams

Signature

June 18, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

CLIENT/MATTER NO: 40532-P001M7P2

DOCUMENT NO.: Austin 252907

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AUSTIN IP ACQUISITION CORPORATION", CHANGING ITS NAME FROM "AUSTIN IP ACQUISITION CORPORATION" TO "QUICKSHIFT, INC.", FILED IN THIS OFFICE ON THE TWELFTH DAY OF NOVEMBER, A.D. 2003, AT 8:39 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor  
Harriet Smith Windsor, Secretary of State

3689015 0100

030723615

AUTHENTICATION: 2751910

DATE: 11-17-03

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 11:10 AM 11/12/2003  
FILED 09:10 AM 11/12/2003  
SRV 0307296LS - 1609015 FILE

**CERTIFICATE OF AMENDMENT  
OF CERTIFICATE OF INCORPORATION OF  
AUSTIN IP ACQUISITION CORPORATION**

Austin IP Acquisition Corporation, a corporation organized and existing under the laws of the State of Delaware, hereby certifies as follows:

A. The name of the corporation is Austin IP Acquisition Corporation. The corporation's original Certificate of Incorporation was filed with the Delaware Secretary of State on August 4, 2003.

B. This Certificate of Amendment was duly adopted by the corporation's directors and stockholders in accordance with the applicable provisions of Sections 228 and 242 of the Delaware General Corporation Law.

C. The Certificate of Incorporation, as heretofore amended, is hereby further amended by changing Article I so that, as amended, Article I shall be and read as follows:

"The name of this corporation is QuickShift, Inc."

IN WITNESS WHEREOF, the corporation has caused this Certificate to be signed by Kenneth H. East, its President and Chief Executive Officer, this 24<sup>th</sup> day of October, 2003.

AUSTIN IP ACQUISITION CORPORATION



Kenneth H. East, President and Chief Executive Officer